

REG. NO: 16PhD0301

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**  
**(A DEEMED TO BE UNIVERSITY)**

Time : 3 Hrs.

Pre. Ph.D. Examination June-2017

[Max. Marks: 100]

**Biochemistry**  
**Paper – II**  
**Area of Specialization**  
**Q.P Code: 1302**

*Your answers should be specific to the questions asked.*  
*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**10 X 10 = 100 Marks**

1. Discuss in detail about oxidative stress and its relation to eclampsia.
2. Discuss in detail clinical features, risk factors and diagnosis of pre-eclampsia and eclampsia.
3. Explain about the current biomarkers of pre- eclampsia and write preventive measures of pre-eclampsia.
4. Write the advantages and disadvantages of ELISA.
5. Write about principle and applications of Tandem mass spectrometry.
6. Write about complications of hypertension during pregnancy.
7. Write about the ultra centrifugation in cell fraction separation.
8. Write principle of florescent immune assay and its applications.
9. Discuss about the principle and technique of Gel permeation chromatography.
10. Discuss about pre analytical errors in biochemistry laboratory.

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